



BIM for Intelligent Building Design and Management

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Speakers programme and time table for The Energy Desk road show conference.

Day one Monday 2nd November

Registration 9am -9:30am

**Keynote, Mr Steven Agnew Green Party North Down & The Energy Desk
(Ireland) Energy in a Challenging Market Place, 9:40 am-10:40am**

Session (1)

11:00 am - 12:00

Barry Gallagher

AWARD WINNING ZEROHOME SYSTEM

ZEROHOME SYSTEM is based on a “whole-of-life” design, that sets out to simplify rather than complicate and employs “a single mind-set mechanism” from employer to end-user, traditional materials and construction methods with proven track records, that are sustainable through use of established supply chains/skilled trades and as a combination aims to eliminate fuel poverty costs in an affordable and practical way.

Session (2)

12:15 - 1:15pm

John Ross Research Lecturer & Industry Consultant

South Eastern Regional College

title “**Cavity wall insulation failures and the need for change**”

Brief:- Three years of research into the condition of existing cavity wall insulation has raised many issues in terms of thermal protection and comfort levels. This has seen more than one thousand troubled local homes assessed and solutions found were defects within the cavities caused major issues. These major issues contribute greatly to ill health, fuel poverty, Mould and damp, high energy usage and questions current interventions; boiler replacement etc.

Session (3)

2:15pm- 3:15 pm

Sam McCloskey Centre for Advanced Sustainable Energy (CASE)

CASE is an industry led sustainable energy research centre funded through the Invest Northern Ireland Competence Centre programme. Current constraints on the development of renewable energy in Northern Ireland, coupled with a challenging 40% target have led to the need for Northern Ireland business to innovate. Sam will provide an insight into the current Northern Ireland sustainable energy position and outline some of the groundbreaking work that CASE is currently funding in the energy from biomass, energy systems and marine renewable energy sub-sectors.

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Session (4)

3:30pm-4:30pm

Mo Hanslett - BritTek

LED lights the benefits and pitfalls and what buyers need to know to make the correct decision when purchasing.

Session (5)

4:40pm-5:40pm

Fergus Sharkey & Kevin Flanagan – Kingspan ESB

Kingspan ESB is a joint venture company offering Funded Solar photovoltaic (PV) systems in Ireland. Funded Solar allows industrial energy users to take advantage of unused roof space to generate green energy for their business, save on energy costs, with no upfront capital cost.

Fergus Sharkey (General Manager) will speak about the joint venture, NI Solar PV market, and the barriers and challenges to the adoption of rooftop Solar PV for businesses

Kevin Flanagan (Technical Sales Manager) will speak about the Funded Solar solution and the savings that this can bring to NI businesses

DAY 2 Tuesday 3rd November

Session (1)

10:00am - 11:00am

Jim Clarke Invest NI

The services provided by the Invest NI Sustainable Development Team and the new tariff scheme for Renewable Heat Incentive (RHI)

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Session (2)

11:15am- 12:15

Professor John Barry (QUB)

The renewable energy market, local and central government dimensions of this , supporting the renewable energy market, issues of community acceptance, finance etc..

Session (3)

1:45pm-2:45pm

CIAT/RICS – BIM for Intelligent Building Design and Management

This presentation will provide an overview of how Building Information Modelling as a process can assist with intelligent building design. It will focus on the use of technology to assist with making intelligent decisions early in the design of construction projects as well as providing an overview of how recent advancements in technology can assist with asset management. The presentation will also provide an overview of the BIM workflow and how a collaborative approach is essential in this process.

Mark McKane (MRICS) is a Chair of the BIM Regions – Northern Ireland Steering Group and a lecturer in Quantity Surveying at Ulster University. David Comiskey (MCIAT, MCIOB) also sits on the BIM Regions – Northern Ireland Steering Group and is a lecturer in Architectural Technology at Ulster University. Over the last number of years they have both been extensively involved with BIM related research and programme delivery.

Session (4)

3:00pm- 4:00pm

Materials and energy

Thomas Cromie – Anaerobic Digesters

agriAD Power Ltd was founded to progress the development of a network of standalone AD plants. Projects are standardised to ensure replicability and therefore rapid deployment. agriAD Power partners on an equity basis with farmers to bring together a fully packaged solution with 100% project finance provided, with no recourse to the farm. agriAD Power is paid an annual management fee for its services to the plant, as well as a long-term minority shareholding. Due diligence has been performed on leading AD technology suppliers (review of 15+ suppliers).

agriAD Power have a fully negotiated project finance contract suite that has been funded by several funders in the AD sector. The contract suite is based on agriAD Power's strong sector, and technical knowledge base.

Thomas Cromie, one of the founders of agriAD Power, is an experienced business and project developer, consultant and project manager with over ten years expertise within the anaerobic digestion sector in the UK and Ireland.

Specific technical areas: anaerobic digestion (project funding, contract negotiation, technology selection, biogas utilisation, project design; performance optimisation and enhancement; feedstock management; agriculture; waste); nutrients;

Active in renewable energy policy development (external stakeholder for Dept of Agriculture and Rural Development and for Dept of Enterprise Trade and Investment) and innovation support (Steering committee of the Center of Advanced Sustainable Energy).

Specialties: project funding for anaerobic digestion, contract development and relationship building; technology foresight; strategic innovation; advice to SMEs.

The floor plan will consist of 20/22 exhibitor space only areas 3m X 2m for pop up and monitor stations.

Each space will be sold at a cost of £350.00+vat if applicable.

½ page editorial consisting of approx 200 words plus colour picture to run in the New Green Energy Magazine, Gratis .

We will have 5 number zones under the headings.

Getting Started with Renewables

Fuel Providers

Green Energy Technologies

Insulation

Products and Appliances

To the front of the Hall there is a stage area this will be seated to accommodate the conference programme.